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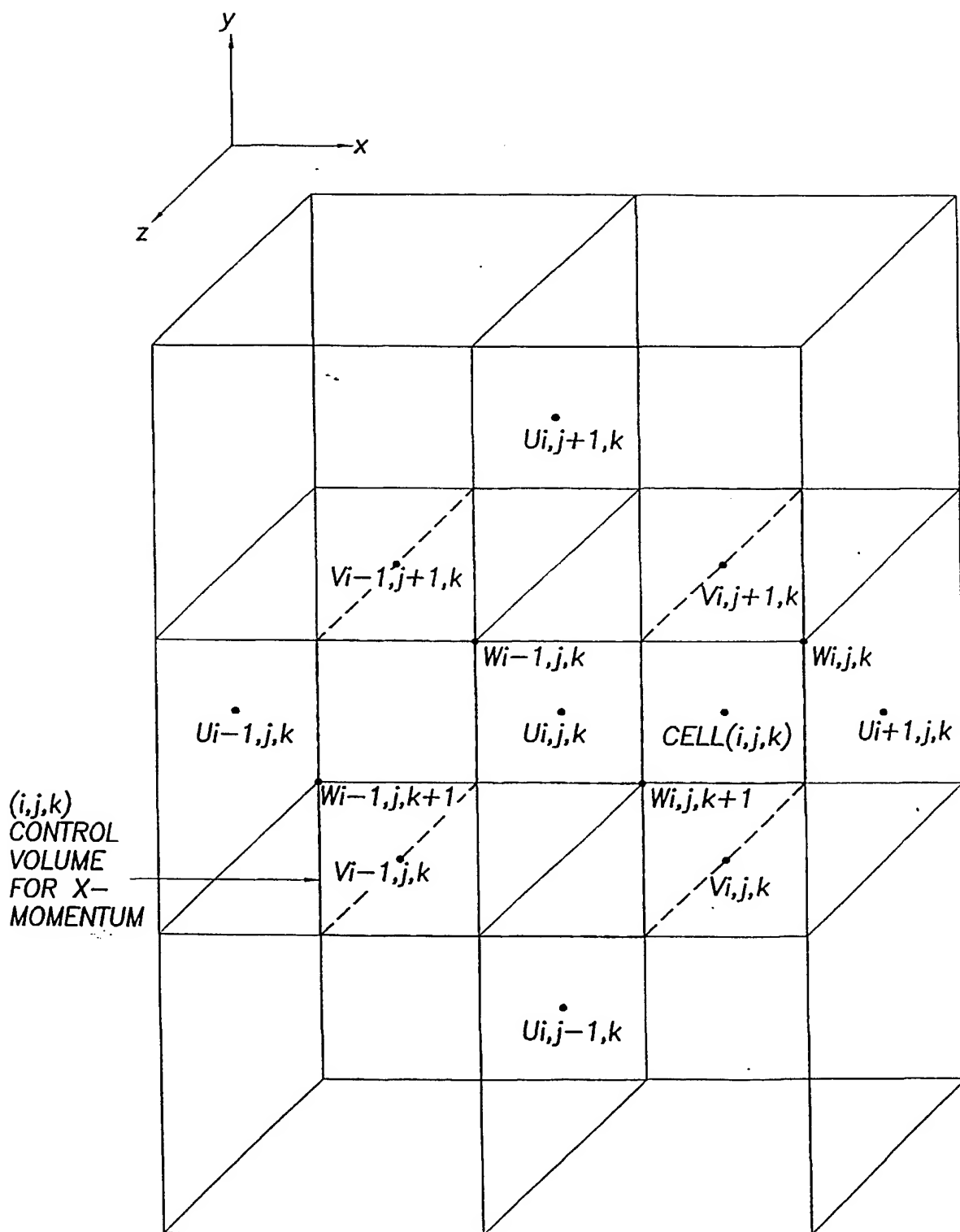


FIG. 1

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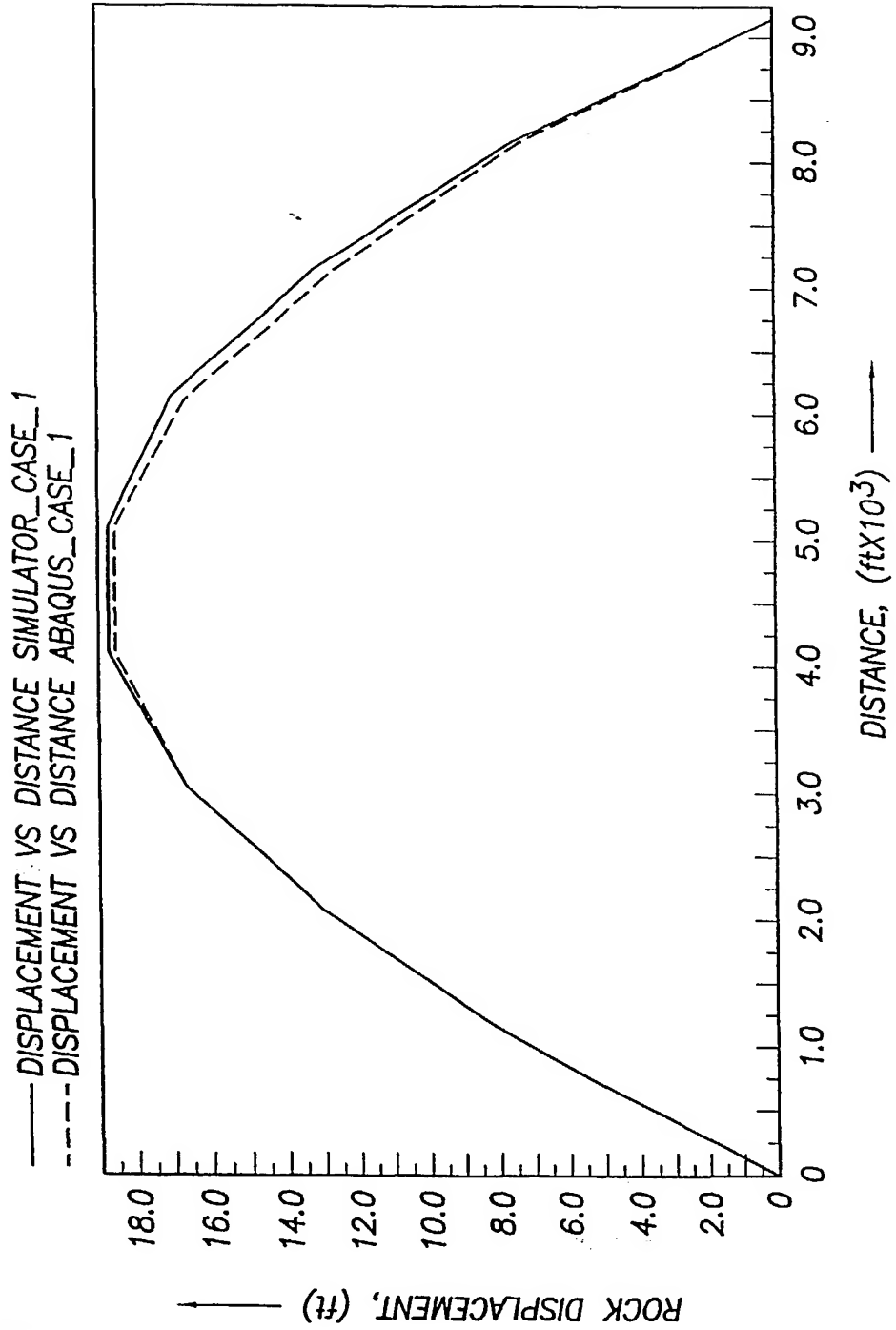


FIG.2

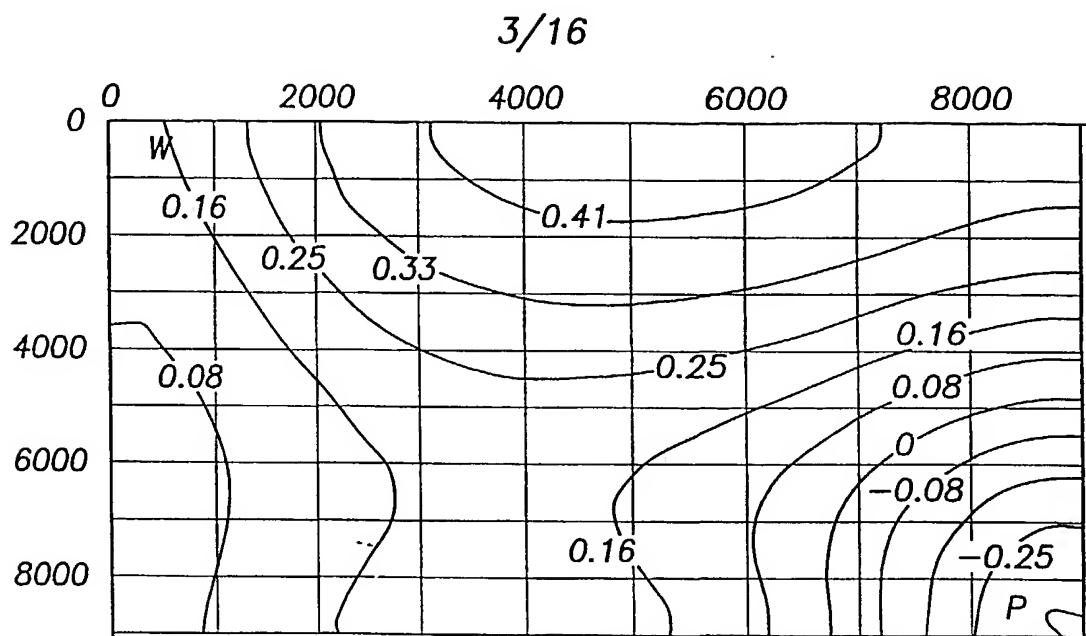


FIG. 3A

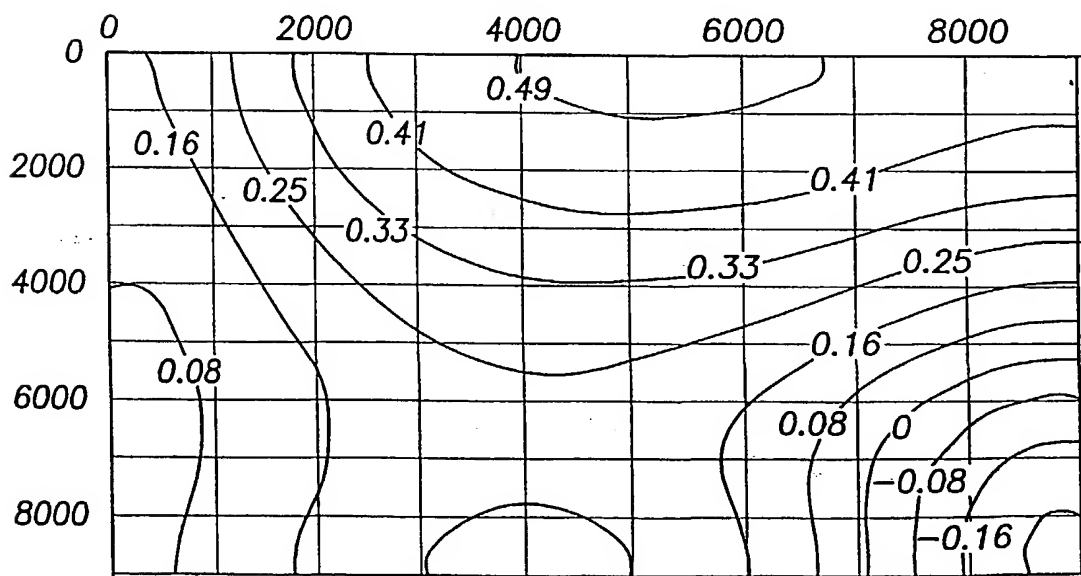
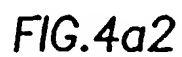
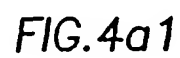


FIG. 3B



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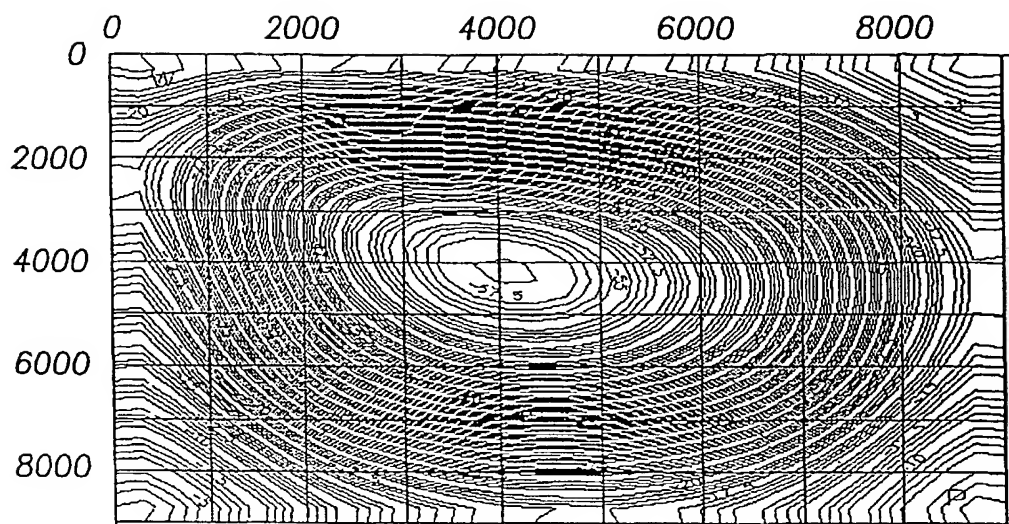


FIG. 4b1

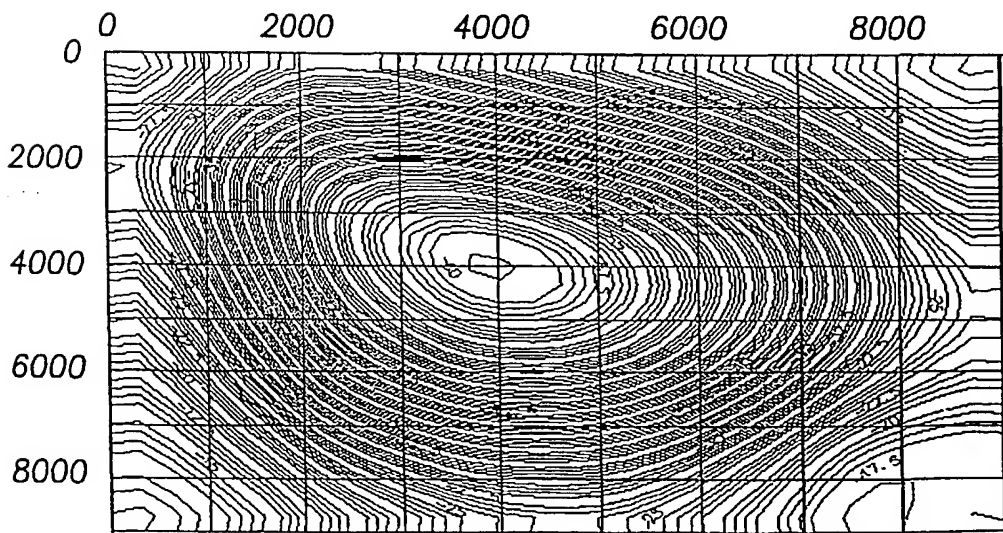


FIG. 4b2

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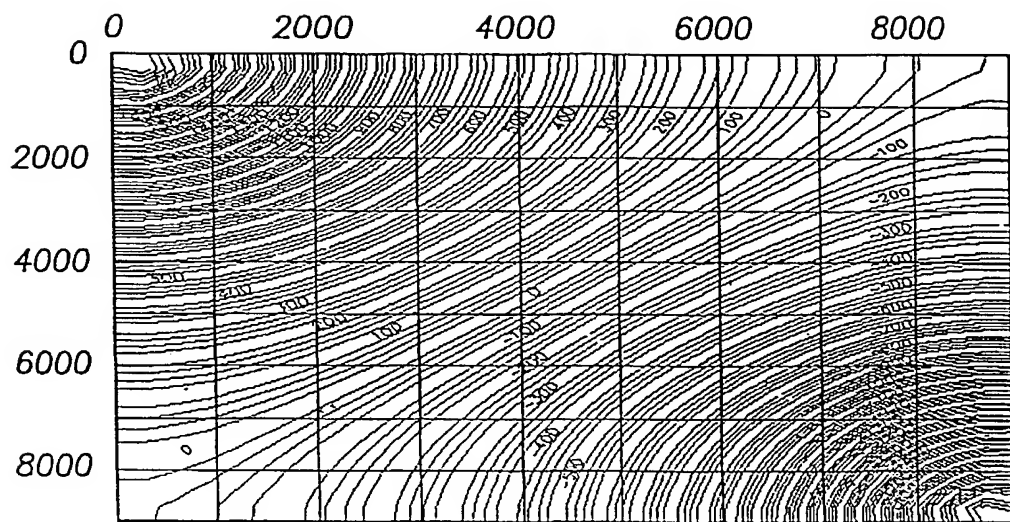


FIG. 4c1

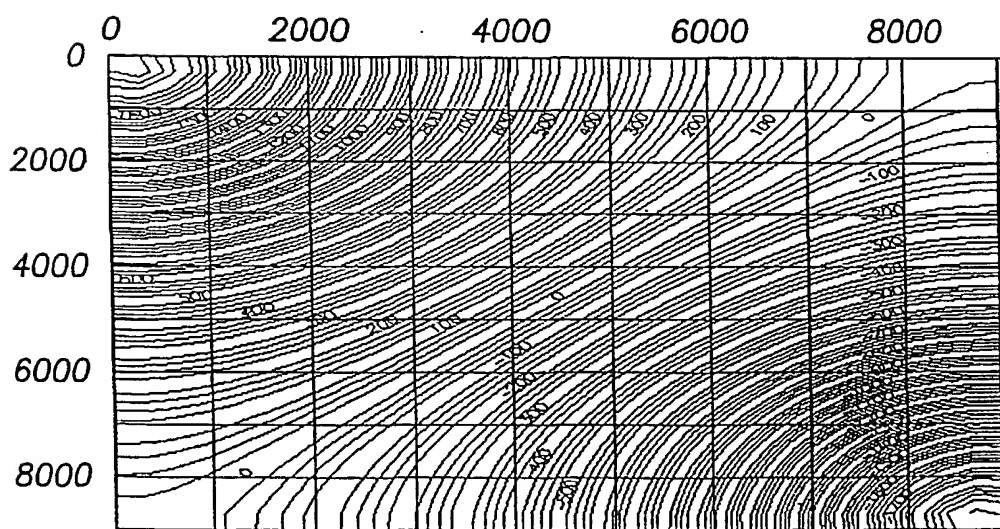


FIG. 4c2

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| SIMULATION PARAMETERS USED IN COMPARING ABAQUS AND RESERVOIR SIMULATOR PREDICTIONS | | | |
|--|-----------------|--------------------|--------------------|
| CASE | GRID DIMENSIONS | YOUNG'S MODULUS | POISSON'S RATIO |
| 1 | 9x1x1 | 10 GPa | 0.4 |
| 2 | 9x1x1 | .1 GPa | 0.3 |
| 3 | 4x1x3 | 10 GPa | 0.4 |
| 4 | 4x1x3 | .1 GPa | 0.3 |
| 5 | 9x1x3 | 10 GPa | 0.4 |
| 6 | 9x1x3 | .1 GPa | 0.3 |

FIG.4d

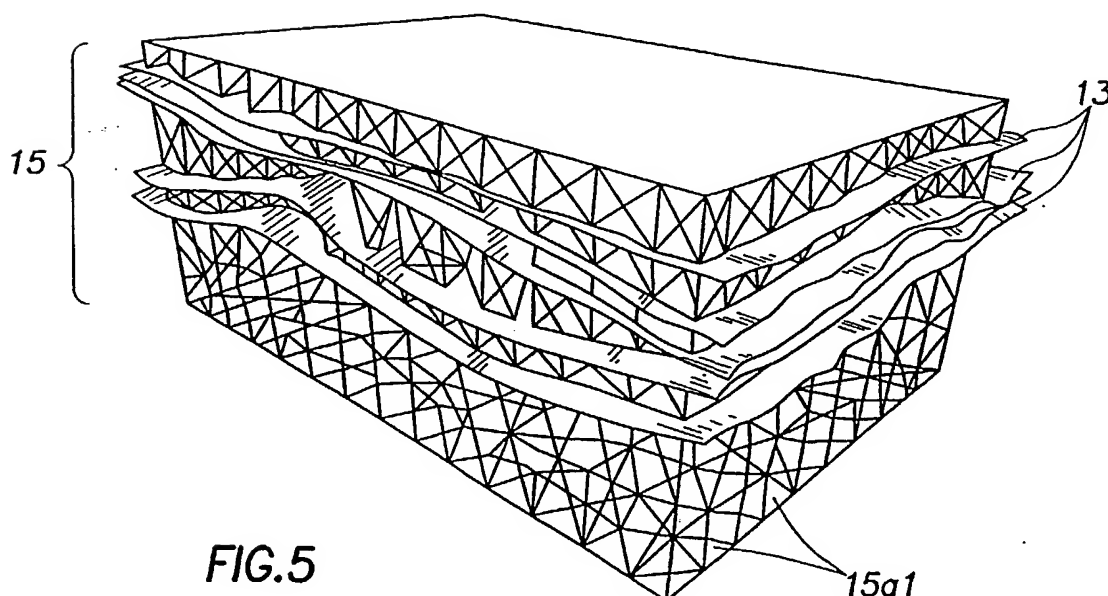


FIG.5

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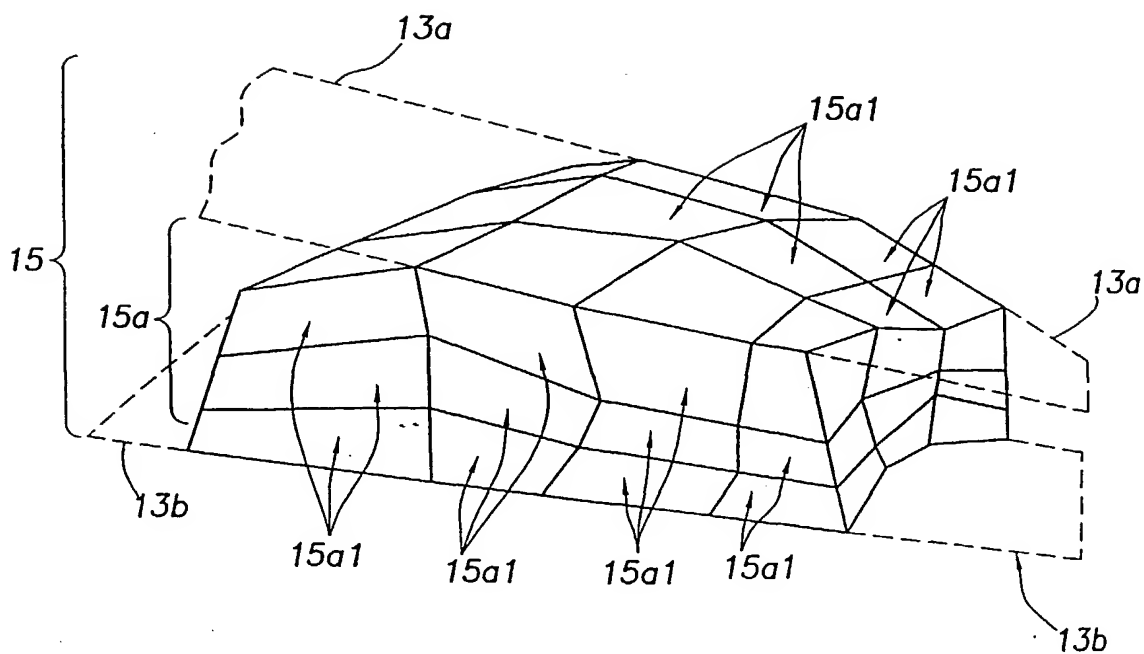


FIG. 6

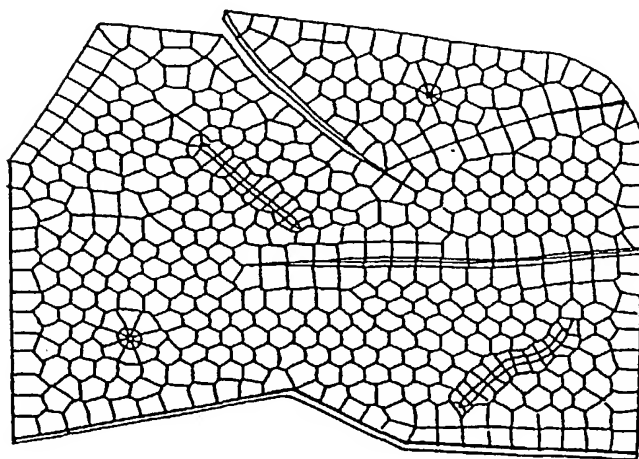


FIG. 7

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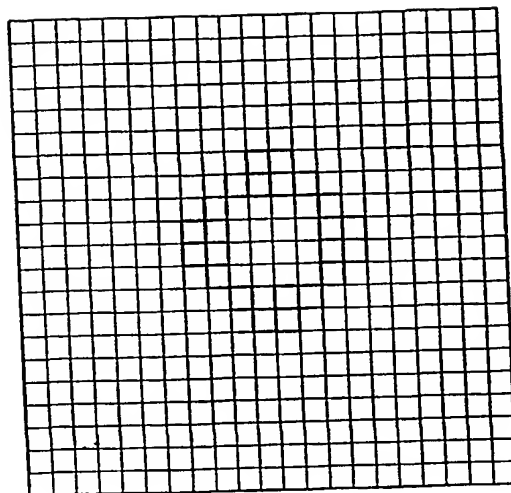


FIG.8

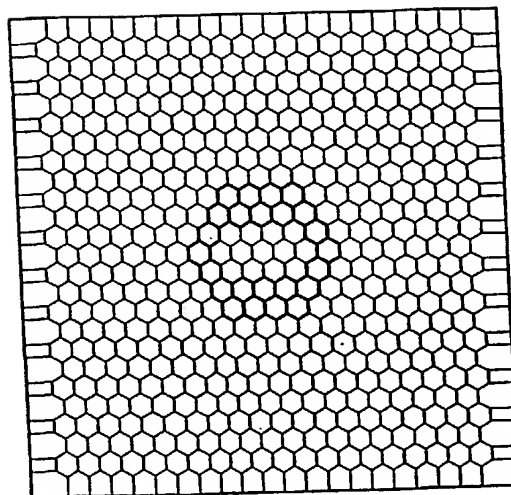


FIG.9

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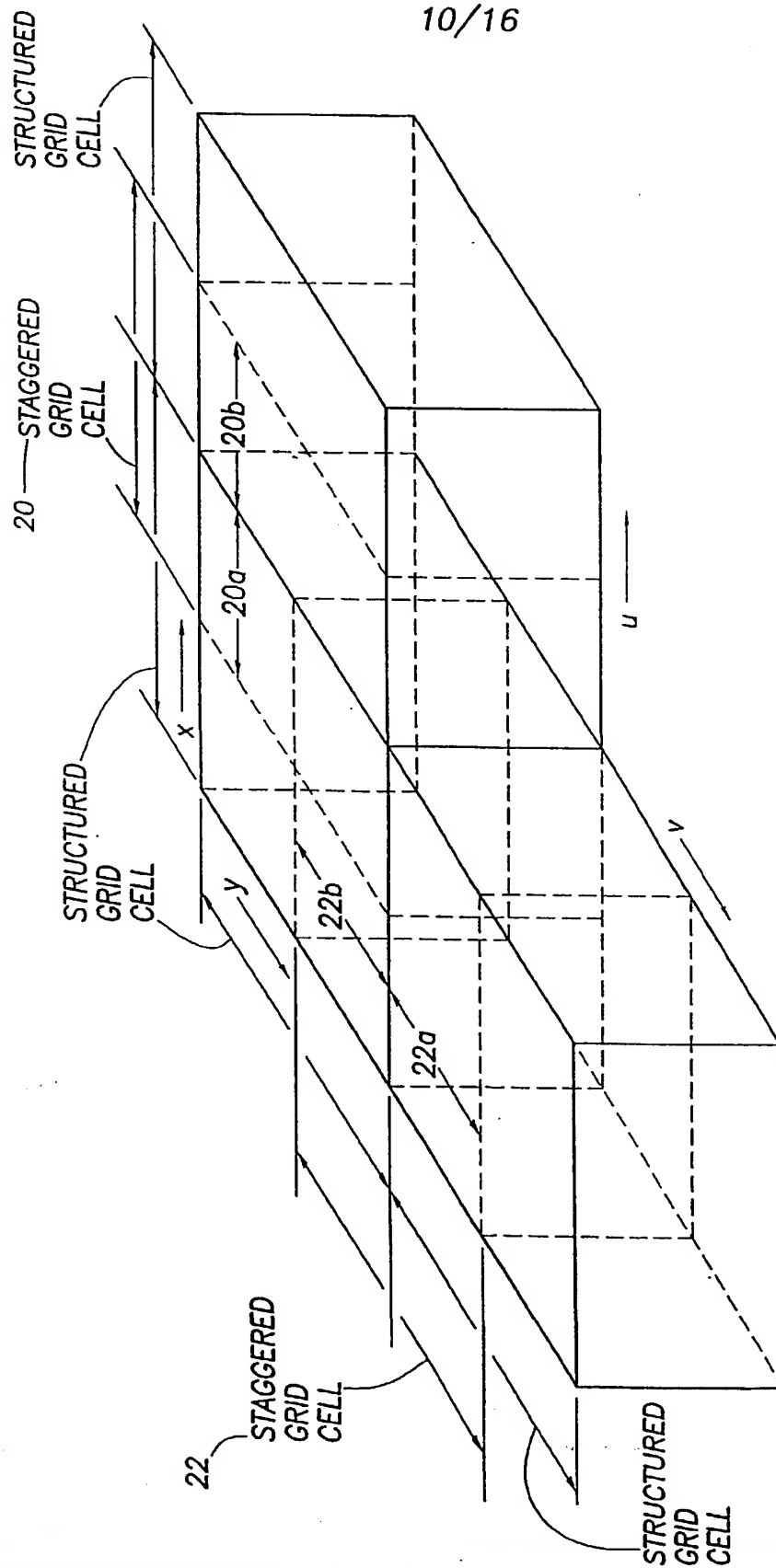
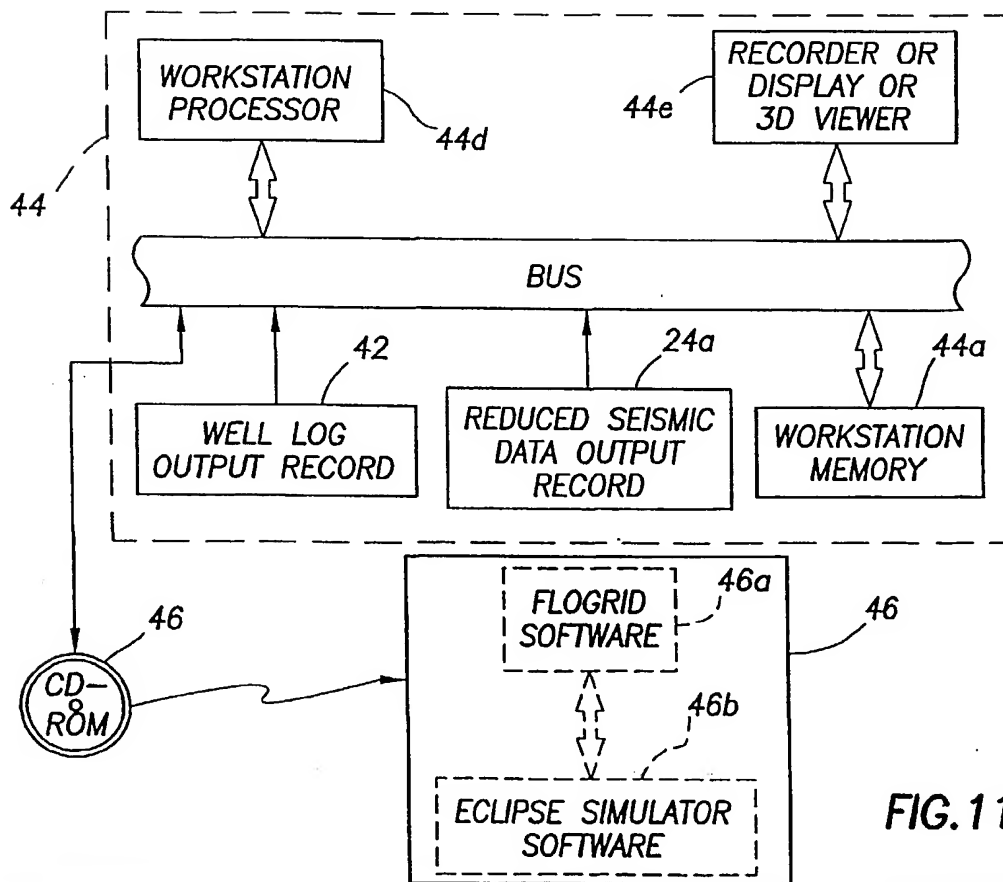
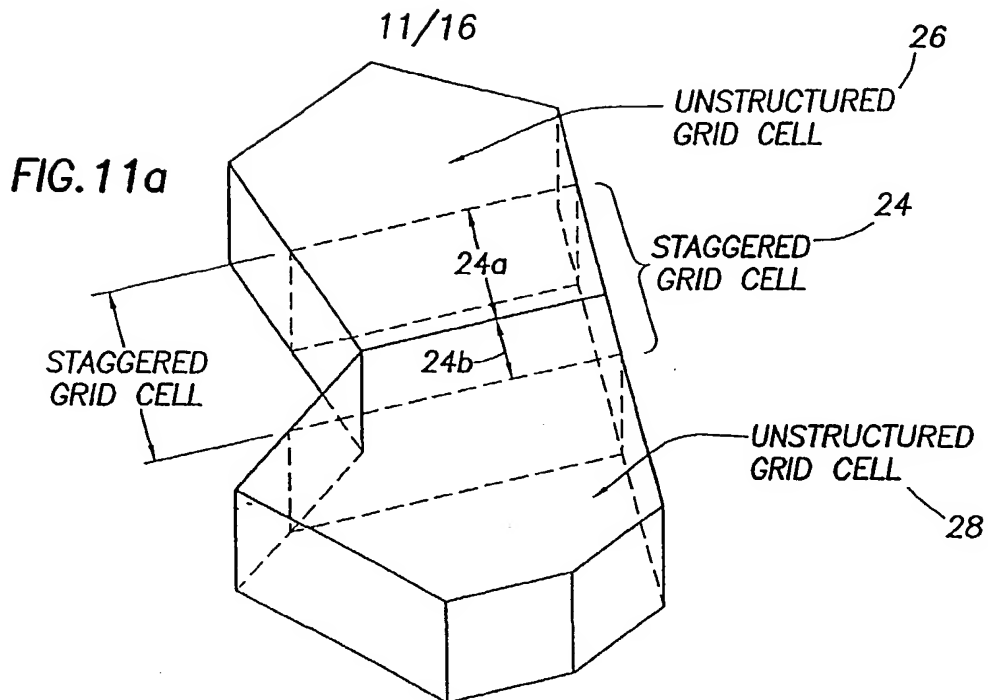
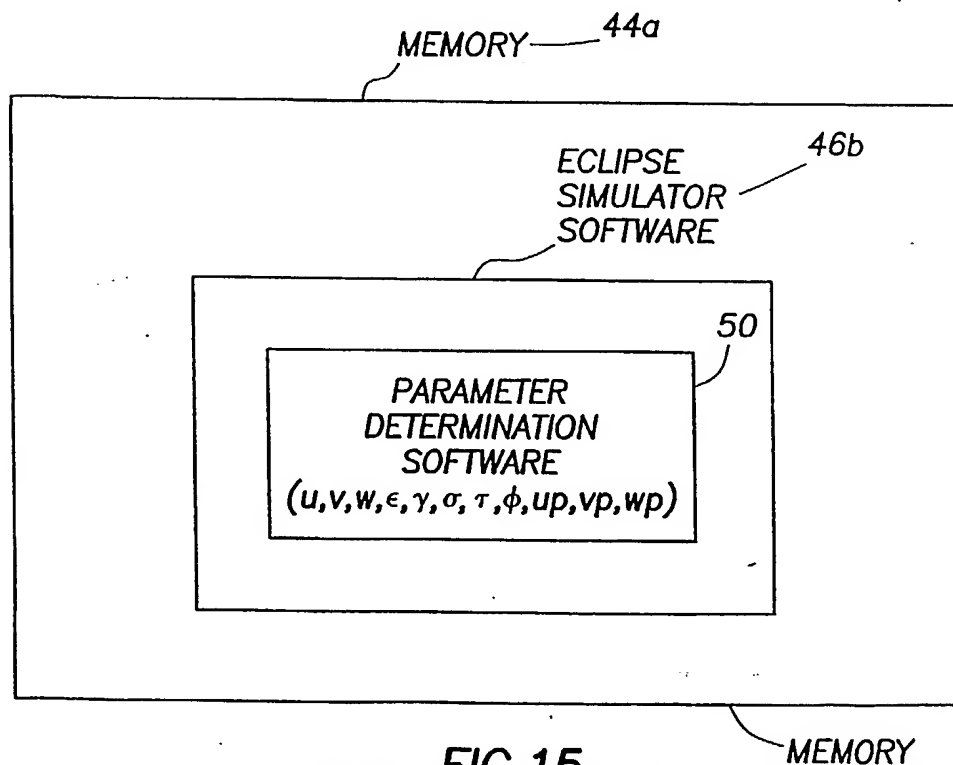
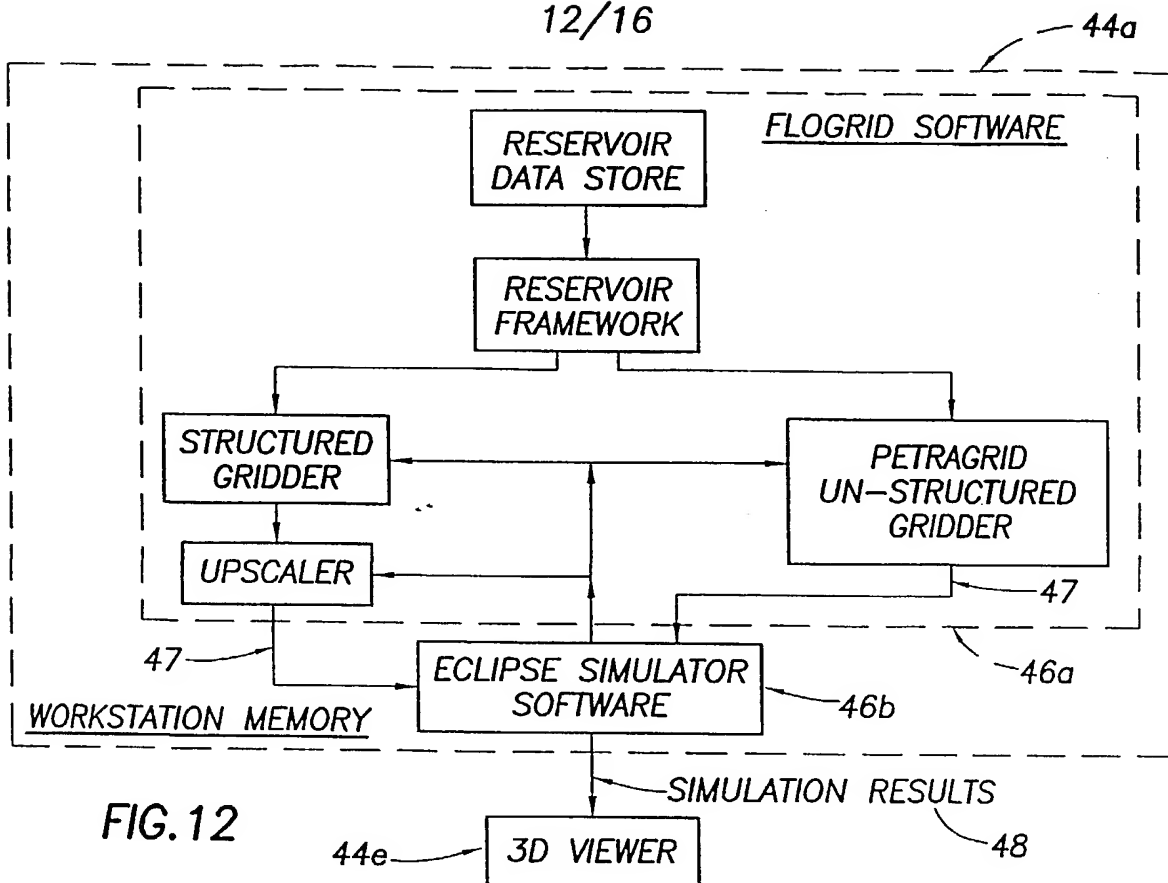


FIG.10



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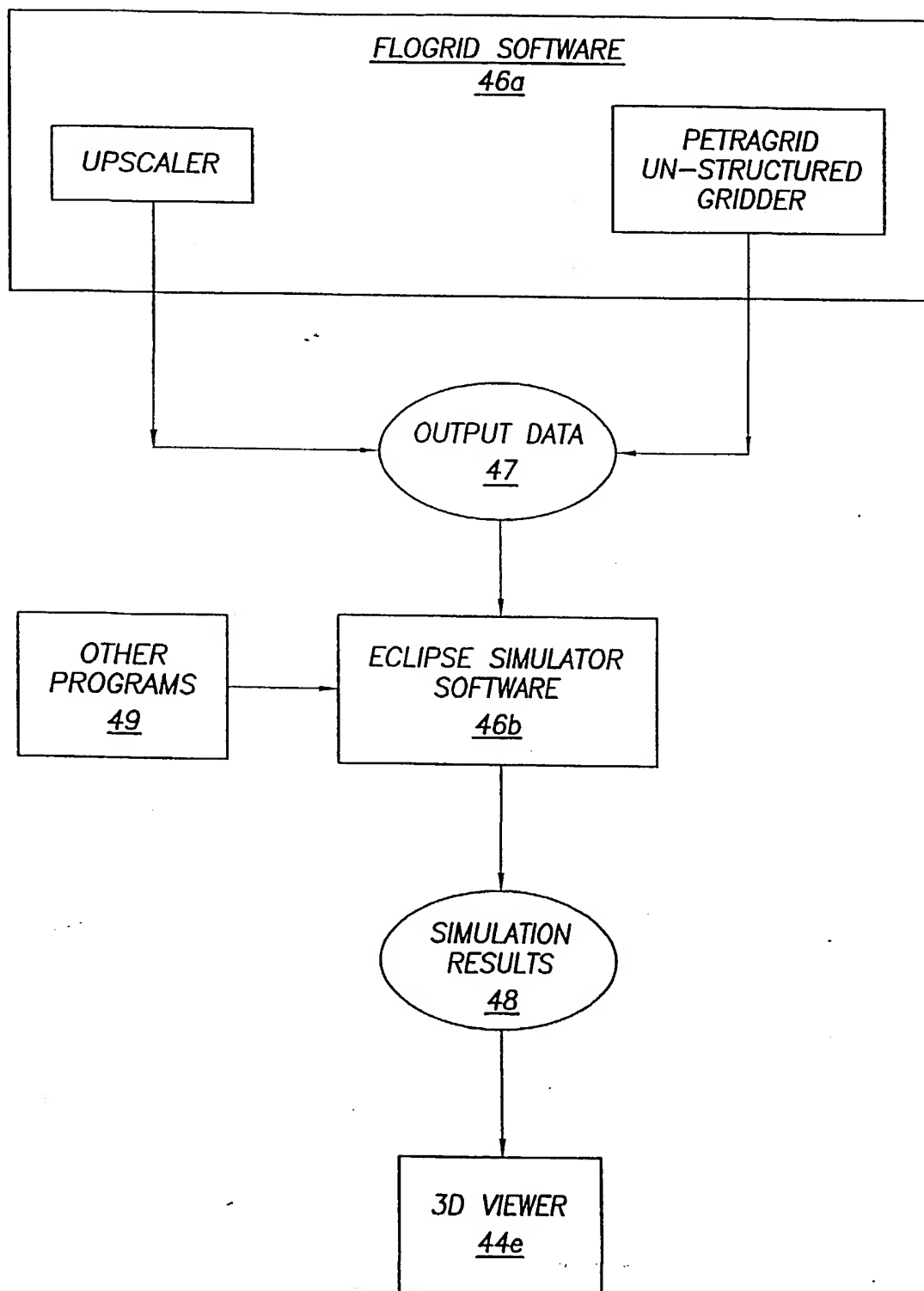


FIG.13

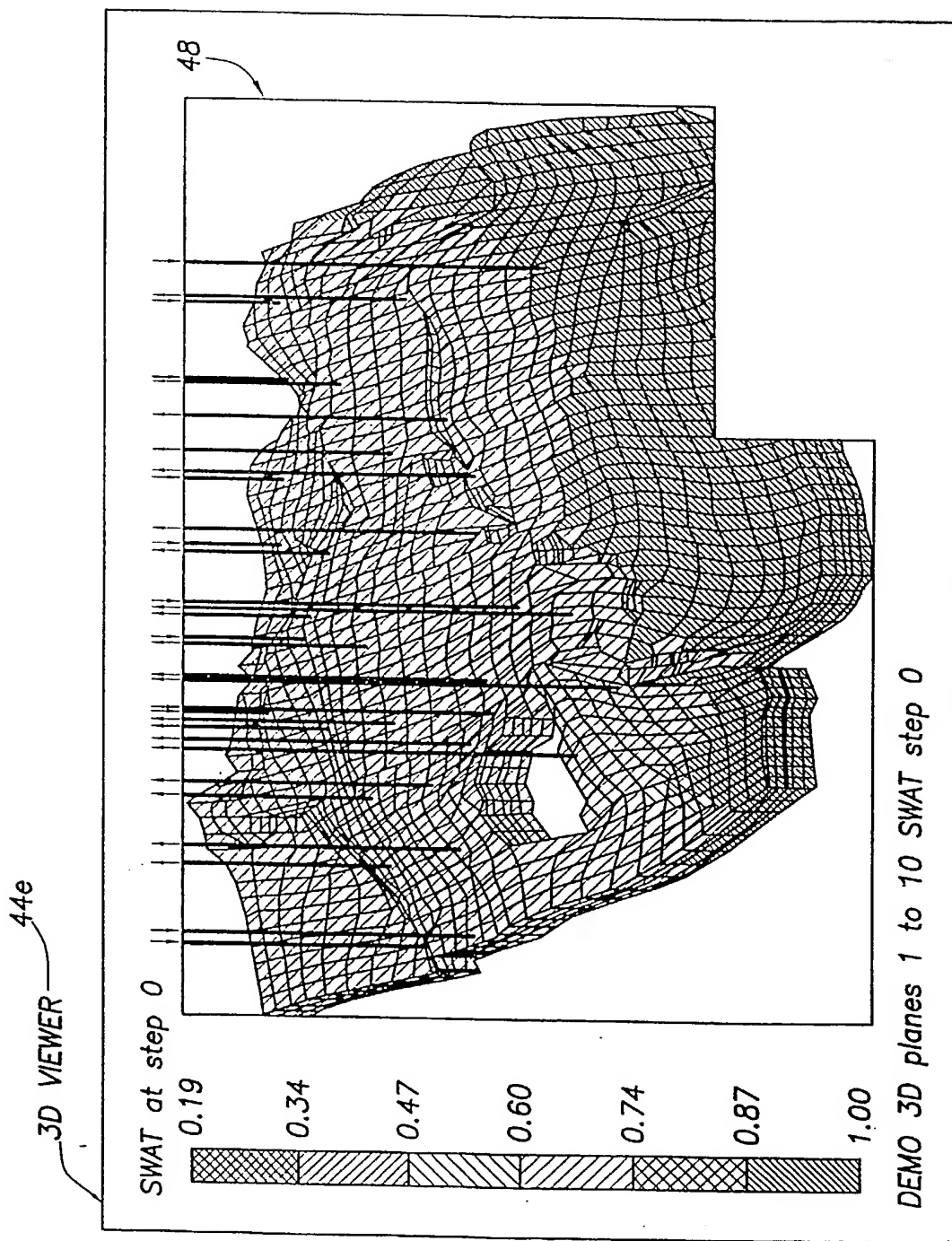


FIG.14

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RECORDER OR
DISPLAY DEVICE 44e

| PARAMETERS | | | | | | | | | | | |
|------------|-----|-----|-----|--------|------------|----------|----------|--------|-------|-------|-------|
| | u | v | w | ϕ | ϵ | γ | σ | τ | u_p | v_p | w_p |
| SGB1 | | | | | | | | | | | |
| SGB2 | | | | | | | | | | | |
| SGB3 | | | | | | | | | | | |
| \vdots | | | | | | | | | | | |
| SGBn | | | | | | | | | | | |
| | | | | | | | | | | | |

44e

FIG.16

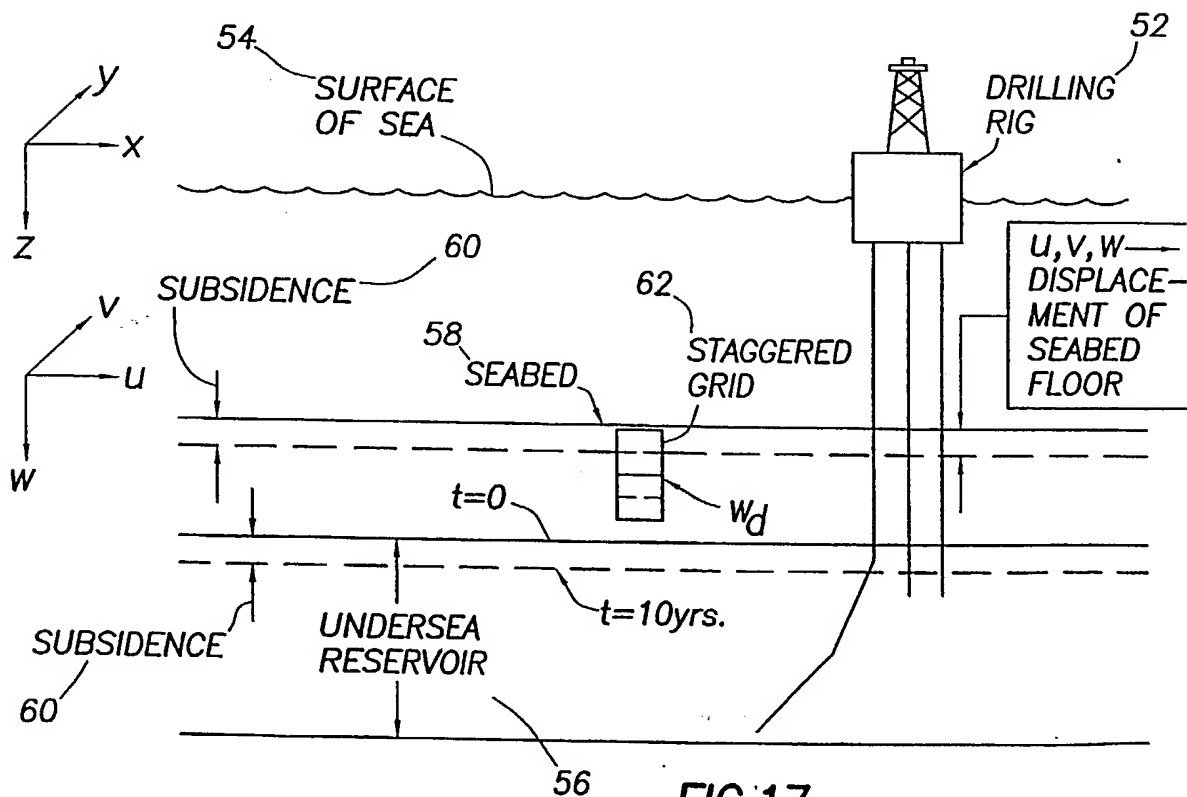


FIG.17

FIG. 18

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